AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF THE CLAIMS

1. (Currently Amended) A light source ~~(10)~~ comprising:

a light engine ~~(16)~~ for generating light of one of a plurality of wavelengths, the light engine ~~(16)~~ including:

a platform ~~(14)~~, and

at least one LED ~~(12)~~ disposed on the platform ~~(14)~~;

an enclosure ~~(22)~~ surrounding a light generating area of the light engine ~~(16)~~;

a base ~~(24)~~ including a heat sink ~~(26)~~ for conducting thermal energy away from the at least one LED ~~(12)~~, into which the heat sink ~~(26)~~ and the light engine ~~(16)~~ is mounted;

a luminescent converting element to receive a light generated by the light engine and convert at least a portion of the received light into visible light, said luminescent converting element being at least one of adjacent the LED, disposed on the enclosure and disposed in the enclosure; and

a conversion circuit **(30)** for supplying electric power to the light engine **(16)**.

2. (Currently Amended) The light source as set forth in claim 1, further including:

a luminescent converting element ~~(44)~~ to receive the light generated by the light engine ~~(16)~~ and convert at least some of the received light to visible light.

3. (Currently Amended) The light source as set forth in claim 2, further including:

a light guide ~~(36)~~ disposed within the enclosure ~~(22)~~.

4. Cancel.

5. (Currently Amended) The light source as set forth in claim [[4]] 3, wherein the light guide ~~(36)~~ provides an appearance of a filament.

6. (Currently Amended) The light source as set forth in claim [[4]] 3, wherein the light Guide ~~(36)~~ comprises an optical fiber with one of internal diffusers, external diffusers, and other frustrated TIR (Total Internal Reflection) features to allow the light to escape at preselected locations.

7. (Currently Amended) The light source as set forth in claim 3, wherein the light guide **(36)** comprises a reflector.

8. (Original) The light source as set forth in claim 7, wherein the reflector is comprised of a reflective metal.

9. (Currently Amended) The light source as set forth in claim 3, wherein ~~the~~ a luminescent converting element ~~(44)~~ is disposed on or within the light guide ~~(36)~~.

10. Cancel.

11. (Currently Amended) The light source as set forth in claim [[10]] 1, wherein the luminescent converting element ~~(44) includes a transparent~~ comprises a phosphor.

12. (Currently Amended) The light source as set forth in claim [[11]] 1, wherein the ~~transparent~~ phosphor comprises one of:

an organic phosphor,

an organic complex of a rare earth metal,

a nanophosphor, and

a quantum dot phosphor.

13. (Currently Amended) The light source as set forth in claim [[10]] 1,

further comprising:

one of an index matching material and a lensing material encompassing the at least one LED ~~(12)~~.

14. (Currently Amended) The light source as set forth in claim 1, wherein the base **(24)** is adapted for mating with the light engine ~~(16)~~.

15. (Currently Amended) The light source as set forth in claim 1, wherein the heat sink ~~(26)~~ comprises:

a slug ~~(32)~~ inserted into the base ~~(24)~~ for conducting the thermal energy from the at least one LED ~~(12)~~ to at least one of the base ~~(24)~~ and ambient air.

16. (Currently Amended) The light source as set forth in claim 15, wherein the slug ~~(32)~~ comprises:

a plurality of fins ~~(34)~~ disposed ~~in one of a radial and a cylindrical tube longitudinal design~~ about an outer periphery.

17. (Currently Amended) The light source as set forth in claim 1, wherein the heat sink ~~(26)~~ extends radially from the base **(24)** to conduct the thermal energy to ambient air.

18. (Currently Amended) The light source as set forth in claim 1, wherein the conversion circuit ~~(30)~~ comprises:

an AC to DC converter.

19. (Currently Amended) The light source as set forth in claim 1, wherein the platform ~~(14)~~ comprises one of:

a metal clad, FR4, and CEM-1 printed circuit board hosting the at least one LED.

20. (Currently Amended) The light source as set forth in claim 1, wherein the enclosure ~~(22)~~ comprises a substantially transparent enclosure of a variety of shapes

21. (Currently Amended) The light source as set forth in claim 20, wherein the enclosure ~~(22) comprises~~ includes a light diffusing coating.

22. (Currently Amended) The light source as set forth in claim 1, further comprising:

an index matching fluid between the light engine ~~(16)~~ and the enclosure ~~(22)~~.

23. (Currently Amended) A modular adaptable LED lighting system **(10)** comprising:

a ~~screw~~ base module **(24)**;

at least two light modules **(16)** having different light emission characteristics, each light module **(16)** including:

a platform **(14)** which is adapted for mating with the base module **(24)**, and

at least one LED **(12)** disposed on the platform **(14)** for generating light in a range from ultraviolet to infrared wavelengths;

an enclosure **(22)**, which surrounds the light produced by the light module **(16)** such that at least a portion of the light is transmitted through the enclosure **(22)**; and

a power module **(30)** for energizing the at least one LED **(12)**.

24. (New) The lighting system of claim 23 wherein the base module (24) is one of a screw base or a wedge base.